

## SACRAMENTO RIVER BASIN

## 11399000 LAKE ALMANOR AT PRATTVILLE, CA

LOCATION.--Lat 40°12'46", long 121°09'43", in SW 1/4 NE 1/4 sec.11, T.27 N., R.7 E., Plumas County, Hydrologic Unit 18020121, Lassen National Forest, at intake tower to Butt Valley tunnel at Prattville, 4.7 mi northwest of Lake Almanor Dam, and 5.6 mi northwest of Canyon Dam.

DRAINAGE AREA.--491 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1913 to current year. Monthly contents only for some periods, published in WSP 1315-A. Published as "near Prattville" 1937-60. Prior to October 1964, records published as usable contents.

REVISED RECORDS.--WSP 1931: Drainage area.

GAGE.--Nonrecording gage read once daily. Datum of gage is 10.23 ft below National Geodetic Vertical Datum of 1929 (levels by Pacific Gas & Electric Co.). Prior to June 1, 1965, nonrecording gage at site 4.7 mi southeast at same datum.

REMARKS.--Lake is formed by earthfill dam; storage began in July 1913; dam raised to gage height 4,455 ft in 1917 and 4,515 ft in 1927. Capacity, 1,183,835 acre-ft between gage heights 4,495.5 ft, upper storage limit, and 4,422 ft, bottom of lowest outlet, of which 8,948 acre-ft is not available for release. Water is diverted by tunnel and penstock to Butt Valley powerplant (station 11400600) and then is used for power development in the North Fork Feather River. Figures given herein, including extremes, represent total contents at 2400 hours. See schematic diagram of North Fork Feather River basin.

COOPERATION.--Records were collected by Pacific Gas & Electric Co., under general supervision of U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project. Contents not rounded to U.S. Geological Survey standards.

EXTREMES (at 2400) FOR PERIOD OF RECORD.--Maximum contents, 1,142,960 acre-ft, June 8, 1982, gage height, 4,494.00 ft; minimum, 5,230 acre-ft, Feb. 5, 1918, gage height, 4,416.1 ft.

EXTREMES (at 2400) FOR CURRENT YEAR.--Maximum contents, 956,214 acre-ft, Oct. 1, gage height, 4,486.90 ft; minimum, 699,565 acre-ft, Jan. 16, gage height, 4,476.20 ft.

Capacity table (gage height, in feet, and contents, in acre-feet)  
(Based on surveys by Pacific Gas & Electric Co. in 1924 and 1926)

4,422	8,948	4,434	49,510	4,460	376,686
4,424	10,067	4,437	74,189	4,470	565,519
4,426	11,260	4,440	101,869	4,480	787,304
4,428	13,480	4,445	156,414	4,490	1,036,269
4,430	21,200	4,450	220,848	4,495.5	1,183,835
4,432	34,173	4,455	294,531		

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	956214	888141	797243	737181	712934	744097	776706	814862	842738	862400	839839	808419
2	951652	886169	800327	733962	714298	745252	777881	815818	844187	862644	838148	806040
3	949121	884198	800802	732583	715209	746408	779056	816535	844912	862644	836699	803898
4	947603	881245	798903	729601	716347	747796	779997	817013	845395	862644	835250	801281
5	947603	879279	796768	725936	717486	749185	781174	817492	846361	862888	833326	798667
6	948615	876333	798191	723536	718398	750343	782116	818448	847329	863132	833085	795589
7	949121	872901	798191	721136	719310	751502	783058	819644	848786	864108	833566	793459
8	947350	869474	797717	718170	720223	753126	784237	820122	849514	863376	832605	790855
9	944318	866786	794162	714981	721364	754286	784944	821078	850242	862644	831403	788014
10	941290	862881	796768	713844	721821	755215	785891	821317	850971	861667	830201	784950
11	938768	859470	798666	709980	722734	755680	787069	822035	852428	861911	828759	782124
12	936249	856307	796294	706578	723649	757307	788251	822513	853156	862155	827077	779299
13	932978	853391	792505	704766	724563	758005	789434	823952	853884	862155	825875	777416
14	929963	850236	788958	702955	725478	759085	790855	825154	854127	860447	825875	775064
15	926951	846359	786124	702277	726851	759867	792275	826596	855341	859470	823952	772255
16	925697	843214	784237	699565	727538	760799	793459	827077	855827	858498	822274	769915
17	922190	840314	781409	700695	728226	761964	794642	828759	857041	857041	819883	766638
18	919438	836936	777881	700469	729142	763363	795826	830201	857526	855341	818448	763830
19	918438	834285	775063	700243	729830	764297	800092	830682	857769	855341	817013	761038
20	914941	830434	771780	700921	730977	765231	802233	831884	858498	854856	817253	758945
21	912446	827310	769438	702503	731665	766165	803660	832605	859714	853156	817492	755920
22	910203	823711	767100	702709	732813	767333	804850	834047	859470	851456	815818	753826
23	908211	820835	762663	704313	733962	768502	806040	834527	860691	850728	815579	751042
24	905723	817484	760100	705219	734651	769672	806753	835250	861667	850242	814622	751273
25	903239	813900	756842	706351	735801	770609	807943	835974	862155	848786	813905	751736
26	900757	810321	756145	706805	736721	771780	809133	836457	862400	847086	812949	752198
27	899021	806985	751039	707938	737872	772483	810084	837182	862155	845637	813666	752896
28	896543	803654	749648	709073	739023	773420	810798	838390	862155	843704	813905	753361
29	894563	800090	746177	710662	741097	774359	812710	840081	862400	842255	812471	753361
30	892091	798191	743174	711116	---	774828	813661	840805	862644	841047	811036	754059
31	890115	---	740636	712252	---	775767	---	841772	---	841530	810084	---
MAX	956214	888141	800802	737181	741097	775767	813661	841772	862644	864108	839839	808419
MIN	890115	798191	740636	699565	712934	744097	776706	814862	842738	841047	810084	751042
a	4484.26	4480.46	4478.00	4476.76	4478.02	4479.51	4481.11	4482.28	4483.14	4482.27	4480.96	4478.58
b	-67365	-91924	-57555	-28384	+28845	+34670	+37894	+28111	+20872	-21114	-31446	-56025

CAL YR 1987 MAX 1004440 MIN 721820 b +21106  
WTR YR 1988 MAX 956214 MIN 699565 b -203421

a Gage height, in feet, at end of month.  
b Change in contents in acre-feet